AUTHOR:

PA - 2059 LANDAU, L.L.

TITLE:

Oscillations of a FERMI Liquid (Kolebanija Fermi-zidkosti,

Russian)

Zhurnal Eksperimental'noi i Teoret. Fiziki, 1957, Vol 32, PERIODICAL:

Nr 1, pp 59-66 (U.S.S.R.)

Reviewed: 4 / 1957 Received: 3 / 1957

ABSTRACT:

This work deals with the propagation of waves in a FERMI liquid and is based on a theory of such liquids developed by the author. In a FERMI liquid such waves can propagate at absolute zero as differ essentially from normal sound; they

are here denoted as waves of the "zero sound".

Oscillations of the FERMI liquid at the absolute zero. The author begins with the investigation of such oscillations as do not concern the spin characteristics of the liquid. The distribution function no, which corresponds to the equilibrium, as well as the "perturbed function", are independent of the spin variables. At absolute zero n represents a "steplike" function which breaks off at the boundary momentum

p = po. The energy of the quasi particles (elementary excitations) is a functional of n, i.e. the form of the function \mathcal{E} (p) depends on the form of n(p) and, analogously to above we write $\mathcal{E} = \mathcal{E}_{c}(p) + \delta \mathcal{E}(p)$. Here $\mathcal{E}_{c}(p)$ denotes the dis-

Card 1/3

PA - 2059

Oscillations of a FERMI Liquid.

tribution of $n_0(p)$. The kinetic equation for the FERMI liquid is as follows: $\partial n/\partial t + (\partial n/\partial r)(\partial \varepsilon/\partial p) - (\partial n/\partial p)(\partial \varepsilon/\partial r) = I(n)$. Here I(n) denotes the integral of the collisions among quasiparticles. At absolute zero I(n) = 0 applies. The equation for the determination in principle of the propagation velocity of the waves is given. As an example the following case is investigated here: a function of the aforementioned equation is reduced to a constant. According to the considerations of this work no asymmetric zero-sound can be propagated in liquid He³. The numerical data for the symmetric zero sound are given. The energy spectrum of a FERMI liquid can automatically contain a "BOSE branch" in the form of phonons of the energy $\varepsilon = up$.

Oscillations of a FERMI liquid at temperatures above zero: Collisions of quasiparticles occur in a FERMI liquid at low temperatures which, however, are different from zero, on which occasion the number of collisions is proportional to T^2 . The corresponding relaxation time (time of free length of path) amounts to $\tau \sim 1/T^2$. The character of the waves propagated in the liquid of course depends essentially on the ratio between

Card 2/3

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PA - 2059

Oscillations of a FERMI liquid.

their frequency and the inverse relaxation time.

The spin waves in a FERMI liquid: Also waves of a different type can be propagated in a FERMI liquid at absolute zero; they may be described as spin waves. Most of the calculations of the first part can be applied immediately also to spin waves.

ASSOCIATION: Institute for Physical Problems of the Academy of Sciences

of the USSR

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Library of Congress

Card 3/3

LANDAU, M.A. 65-58-4-10/12 Kusakov, M. M., Landan, M. A., Lubman, H. M., and Shchesko, M. T. AUTHORS: Calcium Hydride Method for Determining the Content of the Water in Fuel When Taking into Account the Kinetics of Evolution of Hydrogen (Gidridkal tsiyevyy metod TITLE: of Evolution of Hydrogen opredeleniya soderzhaniya vody v toplive s uchetom kinetiki vydeleniya vodoroda) PERIODICAL: Khimiya i Tekhnologiya Topliv i Nasel, 1958, Nz 4, pp 55 - 61 (USSR) The solubility of water in hydrocarbon liquids, and partly in ABSTRACT: fuels and oils depends in a varying degree on their chemical composition and on the temperature (Refs.1 and 2); the liquids are very hygroscopic. The calcium hydride method is one of the most important amongst the physical and ehemical methods of determining the water content in hydrocarbon liquids (Refs. 2 - 8). It is based on measuring the volume (V method) or the pressure (P method of hydrogen, separated during the reaction of calcium hydride and water. Formulae are derived for calculating the water content according to both methods (formulas 2 ani 7). When excess calcium

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Card 1/2

hydride is reacted with water a second order reaction takes place. A graphical method for the determination of the volume or pressure of hydrogen is also given.

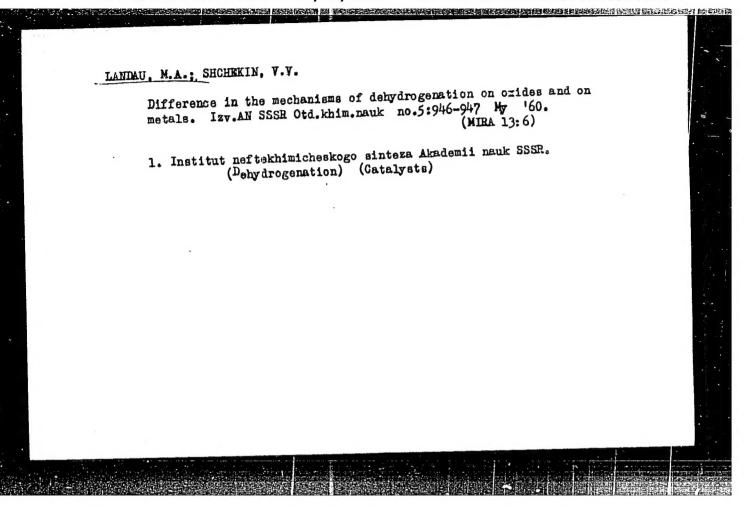
65-58-4-10/12 Calcium Hydride Method for Determining the Content of the Water in Fuel When Taking into Account the Kinetics of Evolution of Hydrogen

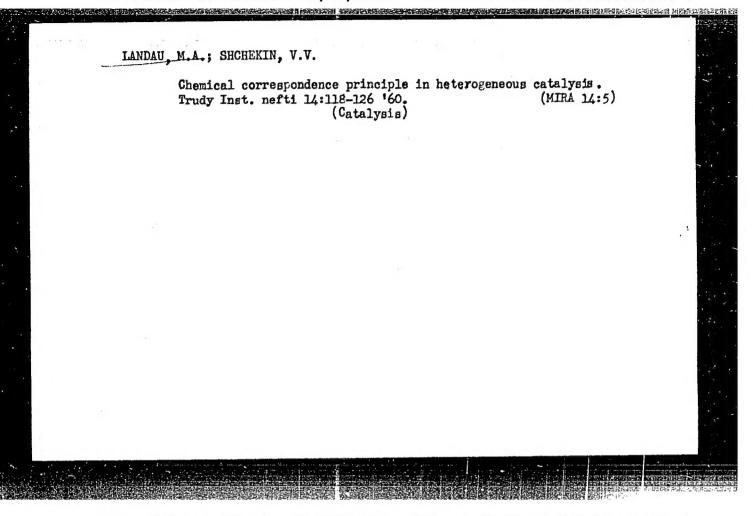
A second variation of the P method makes it possible to determine the content of water in hydrogen liquids with an accuracy of about 3%. This method is recommended for Research Institutes for determining the waters dispersed in the form of very fine drops. When calculating the evolution of hydrogen according to the V method it is possible to shorten the time of the apperiment, and to increase the accuracy of measurements to about 3% - 5%. Formulae for calculating the reaction kinetics of the interaction of calcium hydride in water are given (formulae S - 10). Experiments were carried out with synthetic mixtures of the fuel T-1 and petrol B-70 with water in reaction pumps (Fig.1). Table 1 and 2 shows, results of experiments according to the V method and P method respectively. There are 4 Figures, 2 Tables, and 10 References: 6 Russian, 2 English and 2 German.

ASSOCIATION: Petroleum Institute AS USSR (Institut mefti AN SSSR)

Card 2/2

- 1. Water-Determination
- 2. Calcium hydride-Applications
- 3. Fuels-Impurities





5/081/61/000/021/011/094 B102/B138

AUTHORS:

Landau, M. A., Shchekin, V. V.

TITLE:

The multiplet theory of catalysis and the principle of

的文艺术等是自然的外部,所以它文艺术学术,所以是是用文艺,是不是是主义的,是是是是一个人的人,但是是是一个人的人的人,这个人们的人们的人们的人们的人们的人们的

microscopic reversibility

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 49, abstract 21B391 (Tr. In-ta nefti. AN SSSR, v. 14, 1960, 127 - 135)

TEXT: The multiplet theory asserts that chemical bonds are broken where the atoms are attracted by different active points of a catalyst, and are formed between atoms attracted to the one active point. The authors maintain that this is contrary to the principle of microscopic reversibility which requires the refutation of this assertion. This is in no way contradictory to the principle affirmation of the structural part of multiplet theory, which states that multi-point adsorption of the reacting molecules must take place on the surface of the catalyst if catalytic reaction is to be accomplished. The usual doublet schemes should therefore be maintained, since there is greater possibility of the presence of a doublet on the catalytic surface than of a quadruplet. The multiplet Card 1/2

S/081/61/000/021/011/094
B102/B138

The multiplet theory...

theory assertion that the catalyst atom has a directional effect in the formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds must also be discarded from the energy standpoint, formation of new bonds. [Abstracter's note: Complete translation.]

IANDAU. M.A.; SHCHEKIN, V.V.

Reactions of six-membered cyclic hydrocarbons and the multiplet theory of catalysis. Trudy Inst. nefti 14:136-149 160.

(Catalysis)
(Hydrocarbons)

3/081/61/000/021/012/094 b102/B138

AUTHORS:

Landau, M. A., Shchekin, V. V.

TITLE:

Multiplet theory of catalysis. The principle of energetic

correspondence

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 21, 1961, 49, abstract

21B392 (Tr. In-ta nefti. AN SSSR, v. 14, 1960, 150 - 159)

TEXT: The authors discuss the fundamentals of the multiplet theory of catalysis and point out some of its deficiencies. The principle of energetic correspondence only takes account of the quantitative energy relations, and not the qualitative chemical nature of the bonds formed between atoms reacting in the chemical transformation and those of the catalyst. The authors feel that this has serious inconsistencies and does not explain the experimentally observed and theoretically proven increase in the rate of heterogeneous catalytic reaction when activation energy is raised. [Abstracter's note: Complete translation.]

Card 1/1

LANDAU, M.A.; SHCHEKIN, V.V.

Chemical correspondence in heterogeneous catalysis. Izv.AN SSSR Otd. khim.nauk no.3:430-436 Mr '61. (MIRA 14:4)

1. Institut neftekhimicheskogo sinteza AN SSSR. (Catalysis)

Activation of metallic catalysts. Report No.1: Concepts of the origin of free valences in metals. Izv.AN SSSR Otd.khim.nauk no.4:582-586 Ap '62. (MIRA 15:4) 1. Institut neftekhimicheskogo sinteza AN SSSR. (Catalysts) (Valence (Theoretical chemistry))

IANDAU, MA.

Activation of metallic catalysts. Report No.2: Activation energies of chemisorption and catalytic reaction. Izv. AN SSSR. Ots.khim. (MIRA 15:6)

1. Institut neftekhimicheskogo sinteza AN SSSR. (Adsorption) (Catalysis)

5/0204/64/004/001/0053/0060

ACCESSION NR: AP4024403

AUTHOR: Landau, M.A.

TITLE: Equilibrium kinetics of ethylene polymerization on chromium oxide and molybdenum oxide catalyst

SOURCE: Neftekhiniya, v. 4, no. 1, 1964, 53-60

TOPIC TAGS: Polymerization, ethylene polymerization, equilibrium kinetics, chromic oxide catalyst, chromic oxide aluminosilicate catalyst, molybdenum oxide catalyst, catalyst surface, autocontamination, catalyst activity, catalyst geometric characteristic

ABSTRACT: As a continuation of earlier work (M. A. Landay, V. V. Shchekin. Neftekhimiya 3, No. 5, 713, 1963) the polymerization of ethylene on oxide catalysts without solvent at 20-100C at 0.5-1 atm. and at low pressures was investigated. The physical significance was investigated of the kinetics of the earlier developed equation (1): w = kqp - bpx ($w = reaction\ rate$, $p = ethylene\ pressure\ at\ the\ moment\ t$, $p_0 = initial\ pressure\ of\ ethylene\ in\ the\ system$, $x = p_0 - p$, $q = catalyst\ weight$, and k, b = constants). Measurement of the surface of the catalysts by adsorption of n-heptane and of benzene after ethylene polymerization confirmed the assumption

ACCESSION NR: AP4024403

that the decrease of the operating catalyst surface during the course of the reaction is proportional to the amount of polymer formed, i.e., $w = k_1$ pS = k_1 p (S - b_1 x) where S = catalyst surface area at moment t, So = surface area of original catalyst, and k_1 and b_1 = constants. The relationship shown in equation (1) holds for Cr(0z/aluminosilicate catalyst, but deviations appear with various $Cr(0z/\gamma) Al_2 O_3$ and $MoO_3/\gamma Al_2 O_3$ catalysts. The continuation of some oxide catalyst activity when the catalyst surface is completely covered with polymer is ascribed to autocontamination. Inhibition of ethylene polymerization on the oxide catalyst surface depends little on temperature, is independent of the chemical nature of the catalyst and is determined only by the geometric characteristics of the catalyst. Under the experimental conditions used, ethylene polymerization takes place in the internal kinetics area of the catalyst and is not affected by diffusion of ethylene through the polymer layer to the interior to the catalyst pores. It was determined that the method worked out earlier for studying the kinetics of ethylene polymerization on oxide catalysts is applicable to studies at pressures of 30-45 mm. Hg. "Adsorption isotherms were obtained by V. P. Prokof'ev and Ye.

2/3 Card

ACCESSION NR. APh02h403

G. Polrovsko, for which the author expresses thanks." "In conclusion the author thanks Yu. A. Kolbanovsko, V. P. Lebedeva, L. S. Polak, A. Ya. Rozovsko and V. V. Shchekin for valuable assistance in the discussed work." Orig. art. has: 7 tables, 8 equations and 2 figures.

ASSOCIATION: Institut neftekhimicheskogo sinteza AN SSSR im. A. V. Topchiyeva (Institute of Petrochemical Synthesis, AN SSSR)

SUEMITTED: 09Jul63

DATE ACQ: 17Apr64

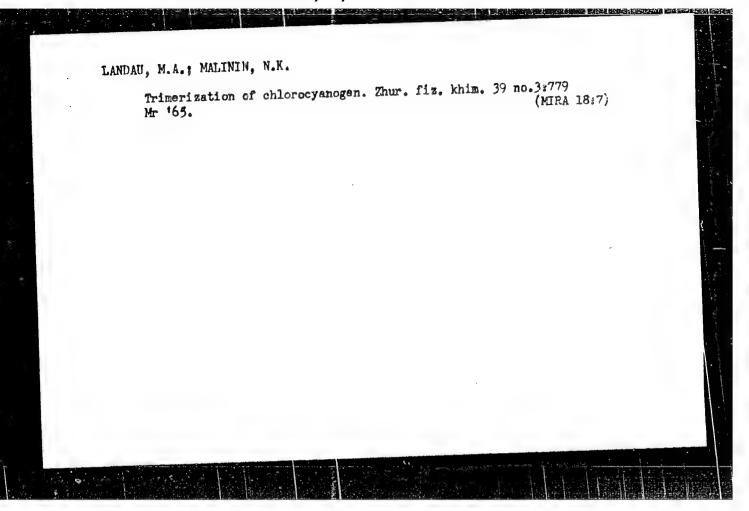
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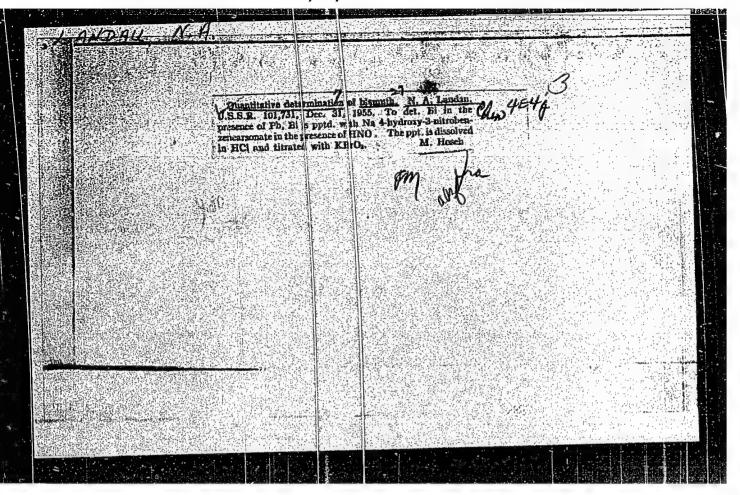
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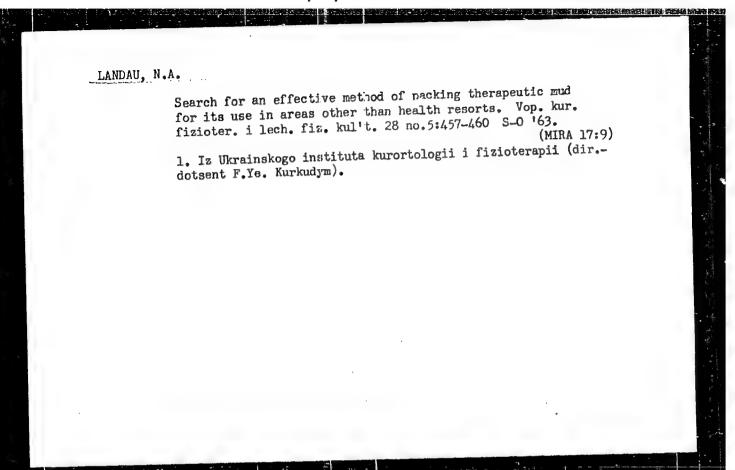
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OTHER: 007

Card 3/3







KUDRYASHOW, B.A.; ANDREYENKO, G.V.; YEGOROV, N.S.; STRUKOVA, S.M.;

LANDAU, N.S.

Fibrinolytic agents isolated from some saprophytic fungicultures. Dokl. AN SSSR 153 no.4:939-942 D '63.

(MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

Predstavleno akademikom V.N. Shaposhnikovym.

Production of fibrinolytic agent of Aspergillus oryzae strain MGU in a submerged sulture on the synthetic medium. Nauch.dokl.vys. shkoly; biol.nauki no.3:168-172 '65. (MIRA 18:8)

1. Rekomendovana kafedrcy mikrobiologii Moskovskogo gosudarstvennogo universiteta im. N.V.Lomonogova.

Formation of the antibodic of the mandicidin type, inly, alchaim, i microbiol, 1 no.3:347-351 (pers 46).

1. Moskovskiy gosudarstvennyy universited imeni logone, see, blologo-pechvennyy fahalitet.

YFGOROV, N.S.; LANDAU, N.S.

Effect of various glycerin concentrations and nitrogen nutrients on the biosynthesis of fibrinolytic substance by the Aspergillus oryzae culture, strain MGU. Prikl. biokhim. i mikrobiol. 1 no.5:487-493 S-0 '65. (MTRA 18:11)

1. Biologo-pochvennyy fakulitet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

IVANOV, K.K.; LAEDAU, H.S.; SOKOLOVA, L.B.

Respiration of cultures of Actinomyces circulatus var. Ecnomycini. Biosynthesis of monomycin on various culture media. Antibiotiki & no.1:18-27 Ja'63. (MIRA 16:6)

1. Institut po isyskaniyu novykh antibiotikov AMN SSSR. (ANTINCINCES) (MONOMYCIN)
(BAGTERIOLOGY—CULTURES AND CULTURE MEDIA)

GAUZE, G.F.; KOCHETKOVA, G.V.; VLADIMIROVA, G.B.; LANDAH, B.A.

Some characteristics of the mutants of Staphylococcus afermentans with a respiratory defect. Mikrobiologica 32 no.2:260-265 Mr-Ap '63. (MGFA 17.9)

1. Institut po izyskaniyu novykh antibiotikov -800 030.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928510020-4"

GAUZE, G.F.; VIADIMIROVA, G.B.; ZIMENKOVA, L.P.; LANDAU, N.S.

Study of the antibiotic properties of mutants of micro-organisms with oxidation defects. Antibiotiki 8 no.12:1082-1085 D '63.

(MIRA 17:10)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.

CHERNOBEL'SKAYA, M.N. [Ghernobyl's'ka, M.N.]; KORDYUM, V.A.; LANDAU, S.M.

Role of some factors on the spore formation of phosphorus bacteria. Visnyk Kyiv.um. no.2. Ser.biol. no.1:103-106 '59.

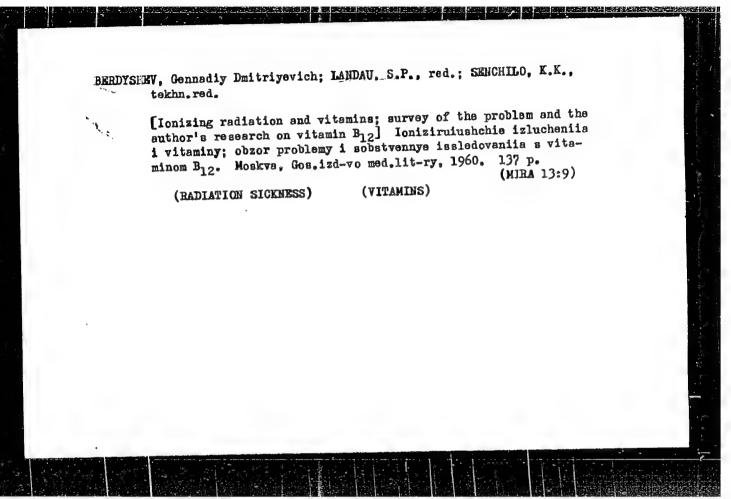
(MIRA 16:4)

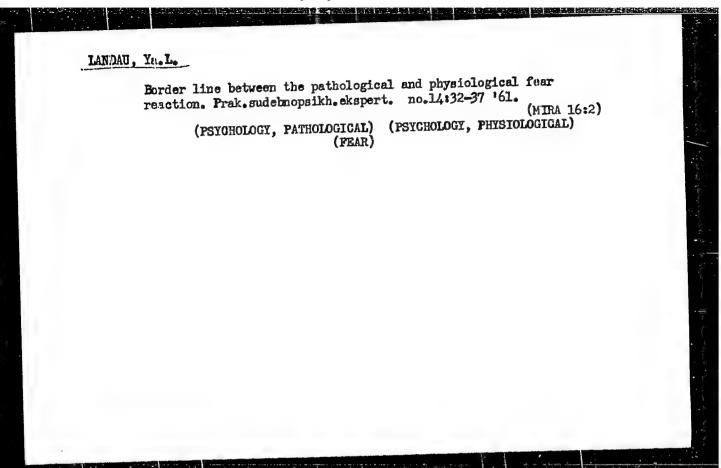
(BACTERIA, PHOSPHORUS) (SPORES (BOTANY))

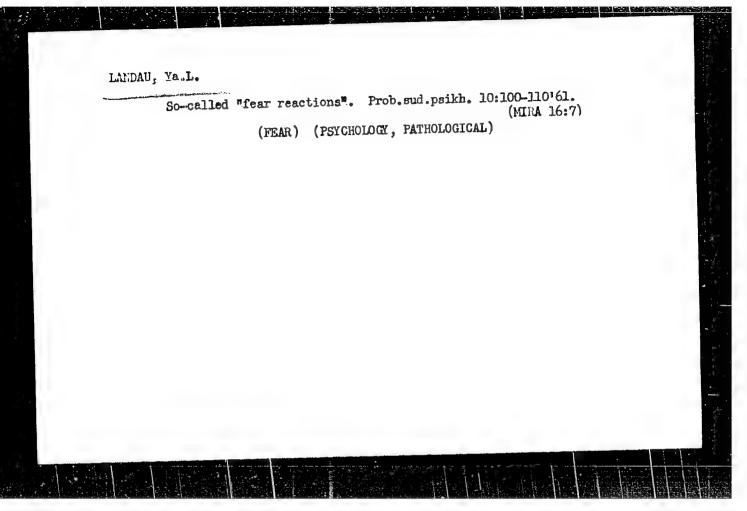
KOZLOVA, Anna Vasil'yevna, prof.; ANKUDINOV, Vladimir Alekseyevich;
OMEL'YANENKO, Lyudmila Markovna; LANDAU, S.P., red.; POGOSKINA,
N.V., tekhn.red.

[Manual on carrying out practical studies on the clinical aspects of radiation sickness; handbook for teachers] Rukovodstvo k provedeniiu prakticheskikh zaniatii po klinike luchevoi bolezni; posobie dlia prepodavatelei. Moskva, Gos.izd-vo med.lit-ry, 1960. 136 p. (MIRA 14:4)

1. Zaveduyushchiy kafedroy kliniki luchevoy bolezni i kombinirovannykh radiatsionnykh povrezhdeniy TSentralinogo instituta usovershenstvovaniya vrachey (for Kozlova). (RADIATION SICKNESS)







LAUNDAU, Ya. M.

Clinical significance of hormonal diagnosis of pregnancy on male frogs.
Akush.gin., Moskva No.4:42-44 July-Aug 51. (CIML 21:1)

1. Docent. 2. Of the Obstetric-Gynecological Clinic (Head--Prof. P.P. Sidorov), Stalino Medical Institute.

IANDAU, YaoM., dotsent; SIGALOV, A.B.

Prolonged conditioned sleep in pre- and postoperative care in gynacological diseasss. Akush. i gin. no.4:25-28 Jl-Ag '54. (MLRA 7:11)

1. Is akushersko-ginekologicheskoy kliniki (zav. prof. P.P. Sidorov) Stalinskogo meditsinskogo instituta. (GYNECOLOGICAL DISEASES, surgery. preop. & postop. cares, sleep ther. in)

(SLEEP, therapeutic use. gyn. dis., in preop. & postop. cares)

(PHOPERATIVE CARE. sleep ther. in gyn. dis.)

(POSTOPERATIVE CARE, sleep ther. in gyn. dis.)

Comparative rating of Hovitskii's hand plethysmograph and Shteinberg's plethysmoreceptor. Vrach, delo no.11:1215 H '56. (MIRA 10:3)

1. Akushersko-ginekologichsskaya klinika (saveduyushchiy - professor P.P. Sidorov) Stalinskogo meditsinskogo instituta.

(PLWTHYSMOGRAPH)

USSR/Human and Animal Physiology - Blocd Circulation.

T-5

Abs Jour

: Ref Zhur - Biol., No 7, 1958, 31732

Author

: Landau, Ya.M.

Inst Title Comparative Evaluation of the Novitskiy Minual Plethy-

smograph and the Sateinberg Plethy more ceptor.

Orig Pub

: Vracheb. delo, 1956, No 11, 1215-1216

Abstract

: In 10 tests, a plethysmogram was simultaneously registered from the right hand by means of the Novitskiy plethysmograph and from the left by means of the Steinberg plethysmoreceptor. The curves registered by the plethysmoreceptor of the vascular reactions to temperature, pain and conditioned stimulants possess significantly less amplitude. The author explains this by the fact that the plethysmoreceptor registers vascular reactions from a comparatively small part of the hand; one can utilize this instrument in cases of sharply expressed vascular reactions.

Card 1/1

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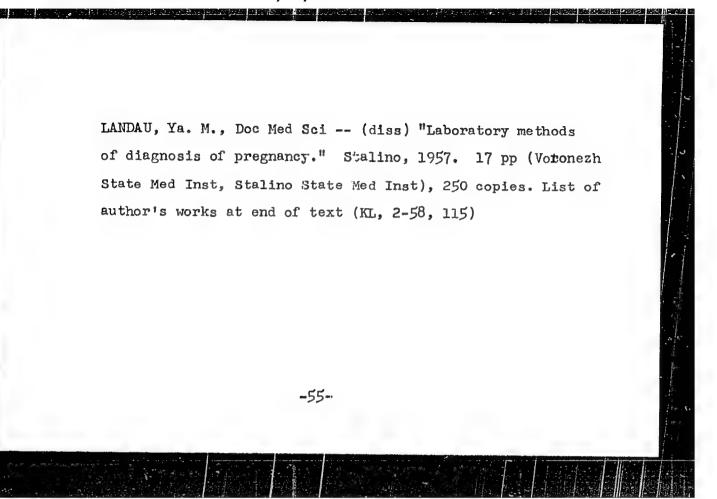
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LANDAU, Ya.M., dotsent

Discussion on I.Kharvat's article "Neurohumoral concept in endocrinology."
Klin.med. 34 no.4:80-82 Ap 156. (MIRA 10:1)

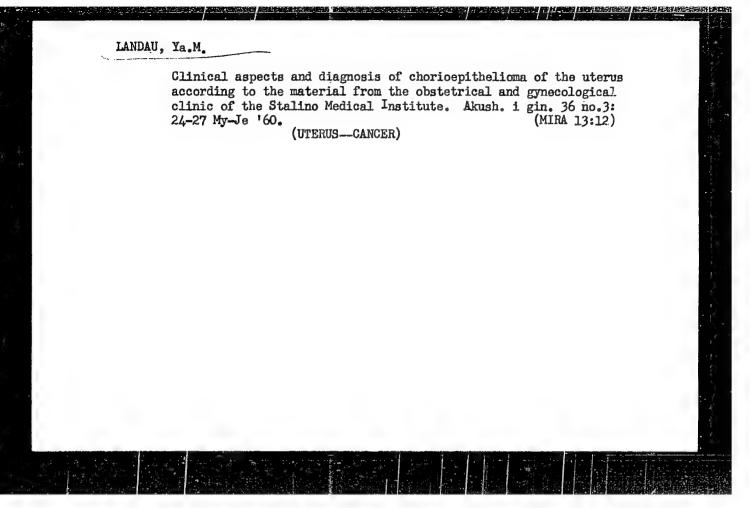
Iz akushersko-ginekologicheskoy kliniki (zav. - prof. P.P.Sidorov)
 Stalinskogo meditsinskogo instituta (dir. - dotsent A.M.Ganichkin).
 (ENDOCRIME GIANDS,
 neurohumoral regulation (Rus))



LANDAU, Ya.M., dotsent; SIGALOV, A.B.; KARPUSHIN, V.P.; MIROSHNICHENKO, V.P.; RUDNEVSKIY, Yu.I.

Physiological blood loss in the puerperal period of normal labor. Sov.med. 24 no.3:89-94 Mr '60. (MIRA 14:3)

1. Iz akushersko-zinekologicheskoy kliniki (zav. prof. P.P.Sidorov) Stalinskogo meditsinskogo instituta (dir. - dotsent A.M.Ganichkin). (PUERPERIUM)



LANDAU, Ya.M., doktor med.nauk

Chorioepithelioma of the uterus. Sov. med. 25 no.8:135-138 Ag '61. (MINA 15:1)

1. Iz akushersko-ginekologicheskoy kliniki (zav. - doktor med.nauk prof. P.P.Sidorov) Stalinskogo meditsinskogo instituta (dir. - dotsent A.M.Ganichkin) i Bol'nitsy imeni M.I.Kalinina (glavnyy vrach - kand.med.nauk B.A.Shaparenko).

(UTERUS__CANCER)

LANDAU, Ya. M., doktor med. nauk

Primary choricepithelicma of the wagina. Akush. i gin. 38 no.3: 81-84 My-Je 162. (MIRA 15:6)

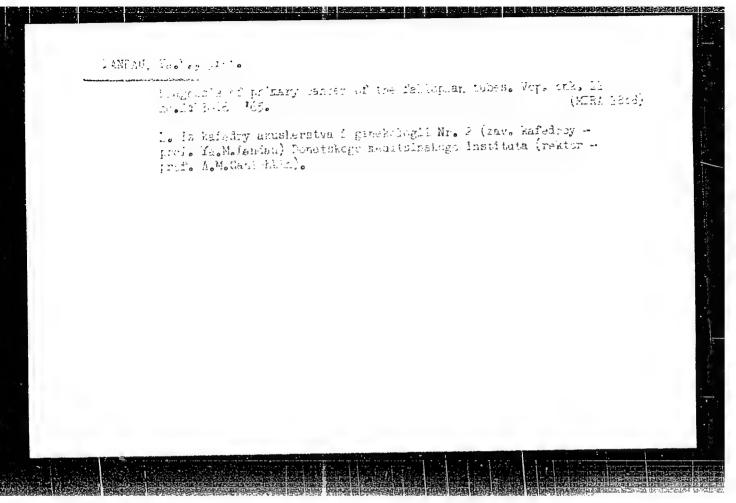
1. Iz kafedry akusherstva i ginekologii No. 2 (zav. - doktor meditsinskikh nauk Ya. M. Landat) Donetskogo meditsinskogo instituta na baze bol'nitsy imeni M. I. Kalinina (glavnyy vrach I. N. Golub)

(VAGINA-CANCER)

LANDAU, Ya.M.

Some controversial problems in the diagnosis and treatment of choricepithelions of the uterus. Akush. 1 gin. 40 no.4192-95 JR-Ag '64. (MIRA 1884)

l. Kafedra akusherstva i ginekologii pediatricheskogo i sanitarnogigiyenicheskogo fakul'tetov (sav. - prof. Ya.M. landau) Eonetskogo meditsinskogo instituta.



LANDAY, la.M., pieros FRETNOR, Y..A.

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(deco 18:10)

1. Enfades abrahamona I rimbelegal No.2 (rav. - prof. Yo. V.landau)

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ILL, Given Names

Country: Rumania

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Scientific

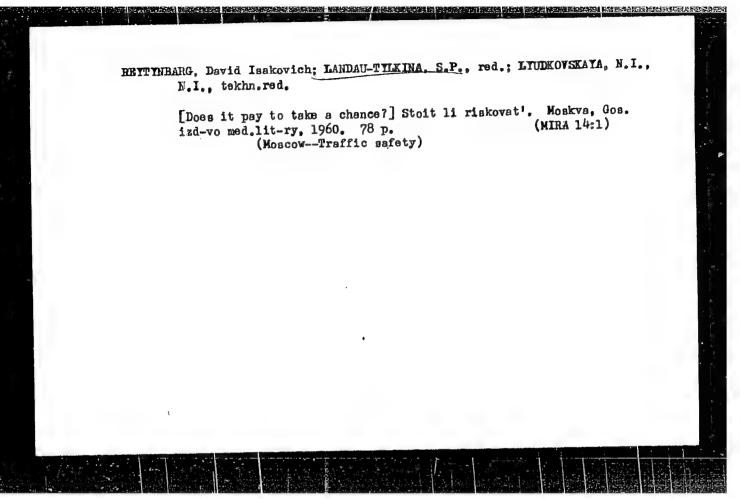
Affiliation Secretary, Institute for Food Research (Secretar Stiintific, Institutul de Cercetari Alimentare).

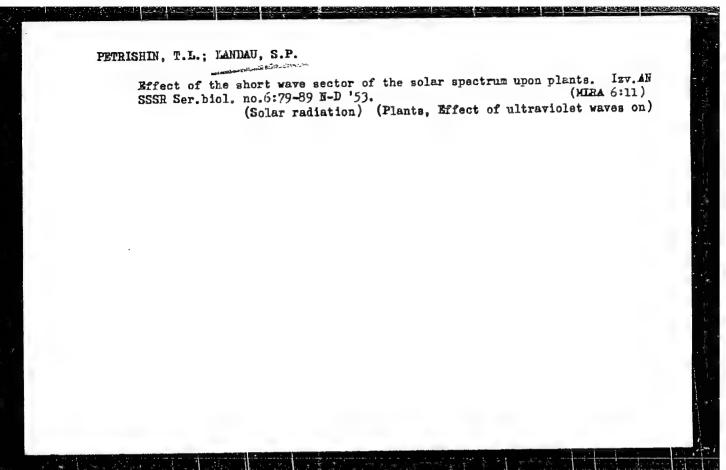
Source: Bucharest, Stiinta si Tehnica, Vol XIII, No 11, Nov 1961, pp 12-13.

Data: "A Visit to the Institute for Food Products. New Food Products."

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LANDAU-TYLKINA,S.P., redaktor; SACHEVA,A.I., tekhnicheskiy redaktor

[Temporary sanitation rules on the construction and equipment of the gamma ray therapy room] Vremennye sanitarnye pravila po ustroistvu i oborudovaniiu kabineta dlia gammaterapii. Moskva, Gos. izd-vo med. lit-ry, 1955. ll p. (MIRA 9:3)

(RADIOTHERAPY)

BELOSTOTSKAYA, Yelena Maksimovna; LANDAU-TYLKINA, S.P., redaktor; SENCHILO,
K.K., tekhnicheskiy redaktor.

[Natch your eyesight; a Pieneer meeting dedicated to the quesion of sight] Beregite zrenie; shor otriada pienerov posviashchaetsia zreniiu,
Moskva, Gos.izd-vo med.lit-ry 1956. 42 p. (MIRA 10:4)

(EYE-GARE AND HYGIENE)

GRONBAKH, Sergey Mikhaylovich; LANDAU-TYLKINA, S.P., redaktor; SENCHILO,
K.K., tekhnicheskiy redaktor

[Hygienic basis for norms governing air temperature in institutions for young children] Gigienicheskoe obesnovanie norm temperatury vozdukha v uchrezhdenitakh dlia detei rannego vozrasta. Moskva, Gos.
izd-vo med. lit-ry, 1956. 81 p.

(TEMPERATURE--PHYSIOLOGICAL EFFECT)

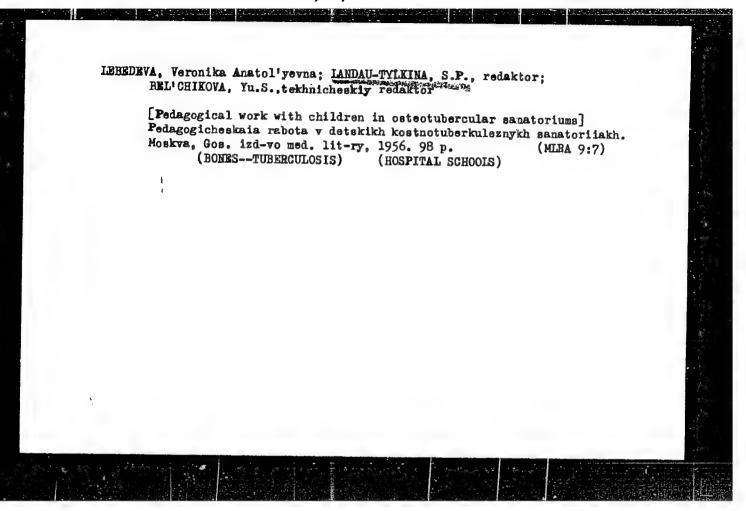
(CHILDEEN--CARR AND HYGIENE)

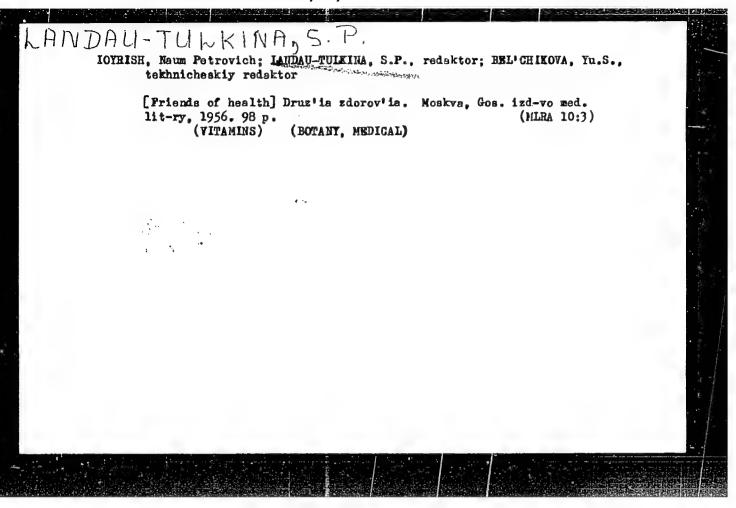
KROTKOV, F.G., redaktor; LEMEDINSKIY, A.V., redaktor; IGHAT'YEV, A.I., redaktor; IANDAU, S.P., redaktor; KHANOVA, T.M., redaktor; BEL'GHIKOVA, TH.S., redkhnicheskiy redaktor

[Abstracts of reports at the conference on late sequelae of affections caused by ionizing radiation] Referrety dokladov na konferentsii po otdalennym posledatviiam porezhenii, vyavennykh vozdelatviem ioniziruiushchei radiatsii. Pod red. F. G. Krotkova, A.V. Lebedinskogo, A.I. Ignat'eva. Noskva, Gos. izd-vo med. lit-ry, 1956. 82 p. (MERA 10:4)

1. Russia (1923- U.S.S.R.) Komitet meditsinskoy radiologii.

(RADIATION-PHYSIOLOGICAL EFFECT)





BURMISTROV, Lev Semenovich; BURMISTROVA, Anna Grigor'yevna; LANDAU-TYLKINA, S.P., red.; BUL'DYAYEV, N.A., tekhn.red.

[Teaching natural sciences in schools of bone-tuberculosis sanatoriums] Prepodavanie estestvennykh nauk v shkole kostnotuber-kuleznogo sanatoriia. Moskva, Gos.isd-vo med.lit-ry, 1958. 95 p.

(Science-Study and teaching)

(Physically handicapped children-Education)

GRIGOR'YEV, Yuriy Grigor'yevich; LANDAU-TYLKINA, S.P., red.; KNAKNIN, M.T., tekhn.red.

[Materials for a study of the reactions of the human central nervous system to ionizing radiation] Materialy k izuchenitu reaktsii tsentral noi nervnoi sistemy cheloveka na ioniziruiushchee izluchenie. Moskva, Gos.izd-vo med.lit-ry Medgiz, 1958. 135 p.

(NIRA 12:11)

(RADIATION--PHYSIOLOGICAL EFFECT) (NERVOUS SYSTEM)

FRANK, G.M., prof., otv.red.; VARSHAVER, G.S., dotsent, zamestitel' otv.
red. (Moskva); GALANIN, N.F., prof., red. (Leningrad); DANTSIG,
H.M., prof., red. (Moskva); LAZAREV, D.N., kand.tekhn.nauk, red.
(Leningrad); SOKOLOV, M.V., prof., red. (Moskva); SKOBELEV, V.M.,
kand.tekhn.nauk, red. (Moskva); LANDAU-TILKINA, S.P., red.;
KHANOVA, T.M., red.; LYUDKOVSKATA, N.T., tekhn.red.

[Ultraviolet radiation; sources, measurement, hygienic and therapoutic use] Ul'trafioletovoe izluchenie; istochniki, izmorenie,
gigienicheskoe i lechebno-profilakticheakoe primenenie. Moskva,
Gos.izd-vo med.lit-ry, 1958. 298 p. (MIRA 13:3)

1. Chlen-korrespondent AMN SSSR (for Frank, Galanin).

(ULTRAVIOLET RAIS)

BOL'SHAKOVA, M.D., dots.; GOL'DEEL'D, A.Ya., doktor meditsinskikh nauk, red.;

GORIERYSKAYA, V.V., prof. [deceased],; KORSUMSKAYA, M.I., prof.;

POLYRYA, Yu.K., kend. meditsinskikh nauk,; LANDAU-TILKISA, S.P., red.;

BEL'GHIKOVA, Yu.S., tekhn. red.

[Manual for school physicians] Rukovodstvo dlia shkol'nykh vrachei.

Moskva, Gos. ind-vo med. lit-ry, 1958. 353 p. (MIRA 11:12)

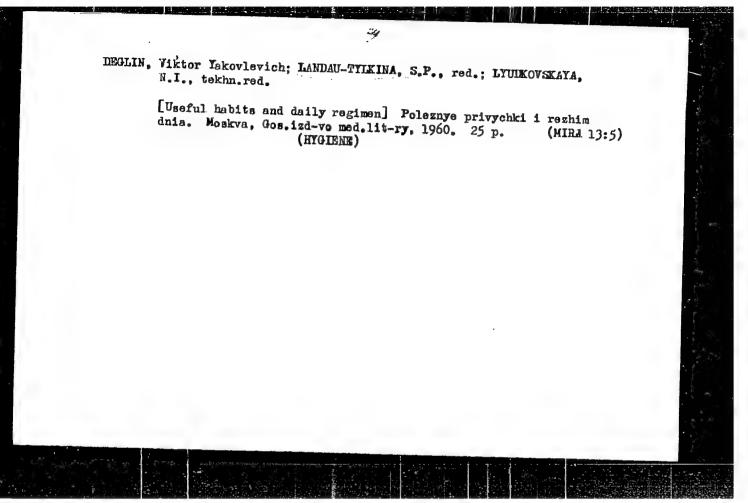
(SCHOOLS, HYGIENE)

(CHILDREN--CARE AND HYGIENE)

TARASENKO, Hataliya Tuvanal yevna; KHODYREVA, Mariya Alekasyevna;
LAHDAU-TYLKINA, S.P., red.; ZAKHAROVA, A.I., tekhnared.

[Protection for the hands in work with radioactive substances]
Zeshchita ruk pri rebote s radioaktivnymi veshchestvami. Moskva,
Gos.izd-vo med.lit-ry, 1960. 17 p. (MIRA 13:3)

(RADIOACTIVITY-SAFETY NEASURES)



VORONTSOVA, Yelena Ivanovna; LANDAU-TYLKINA, S.P., red.; BALDINA, N.F., tekhm.red.

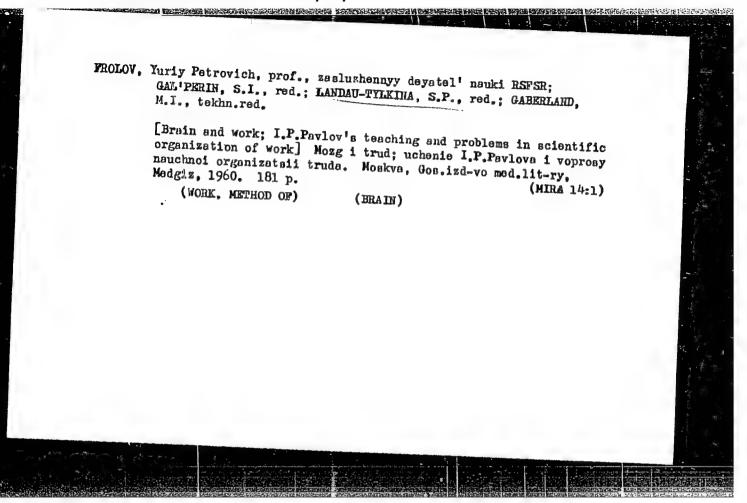
[Industrial hygiens for the electric welder] Gigiena truda elektrosvarshchika. Moskva, Gos.izd-vo med.lit-ry Medgiz, 1960. 37 p. (MIRA 14:7)

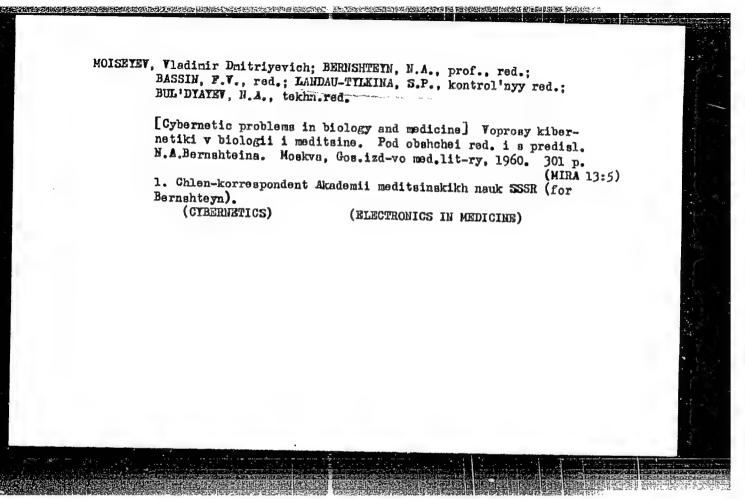
(Electric welding-Hygienic aspects)

ZAKUTINSKIY, David Iosifovich, prof.; SELIVANOVA, Lidiya Nikolayevna, kand.biolog.nauk; LANDAU-TYLKINA, S.P., red.; ZUYEVA, N.K., tekhn.red.

[Biological evaluation of preparations for use in the prophylaxis and treatment of radiation sickness] Biologicheskaia otsenka preparatov dlia profilaktiki i lecheniia luchevoi bolezni. Moskva, Gos.izd-vo med.lit-ry, 1960. 150 p. (MIRA 13:7)

(RADIATION SICKNESS)





ERLEKSOVA, Yevgeniya Vitol'dovna; LANDAU-TILKINA, S.P., nauchnyy red.;

ZUEVA, N.K., tekhn.red.

[Distribution of some radioactive elements in the bodies of animals (polonium-210, radiothorium-228, plutonium-239, and strontum-90); etlas] Raspredelenie nekotorykn radioektivnykh elementov v organizme zhivotnykh (poloniia-210, radiotoriis-228, plutoniia-239 i strontsiia-90); atlas. Moskva, Gos.izd-vo med, lit-ry Medgiz, 1960, 149 p.

(RADIOBIOLOGY)

(RADIOBIOLOGY)

GORIZONTOV, P.D., prof., red.; LANDAU-TYLKINA, S.P., red.; SENCHILO, K.K., tekkn. red.

[Problems in the pathogenesis, experimental treatment, and prevention of radiation sickness] Voprosy patogeneza, eksperimental not terapii i profilattiki luchevoi bolezni. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1960. 431 p. (MIRA 14:7)

1. Chlen-korrespondent AMN SSSR (for Gorizontov) (RADIATION SICKNESS)

KRAYEVSKIY, N.A., prof., red.; LANDAU-TYLKINA, S.P., red.; ZUYEVA,

N.K., tekhm. red.

[Influence of radioactive strontium on the animal organism]

Vliianie radioaktivnogo strontsiia na zhivotnyi organism. Moskva, Medgiz, 1961. 199 p. (MIRA 15:1)

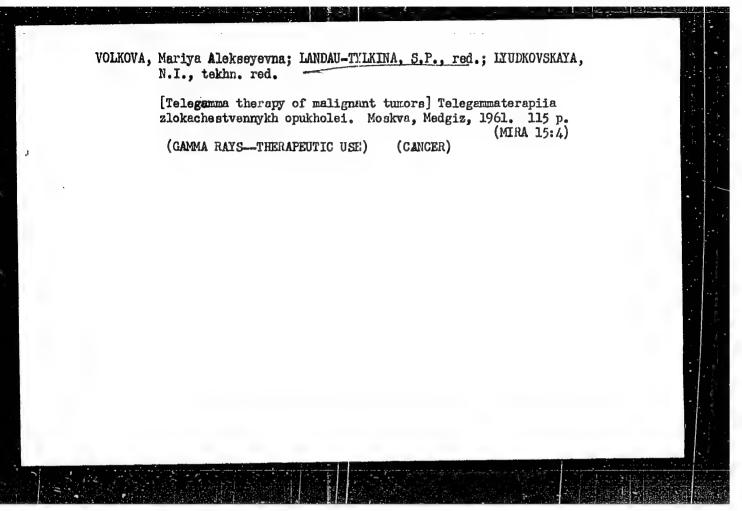
1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Krayevskiy). (Strontium—Isotopes)

LEBEDINSKIY, A.V., zasl. deyatel' nauki, prof., red.; MOSKALEVA, Yu.I., doktor med. nauk, red.; LANDAU-TYLKINA, S.P., red.; LYUDKOVSKAYA, N.I., tekhm. red.

[Distribution, biological activity and migration of radioactive isotopes] Raspredelenie, biologicheskoe deistvie i migratsiia radioaktivnykh izotopov. Moskva, Medgiz, 1961. 342 p. (MIRA 15:2)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Lebedinskiy).

(RADIOISOTOFES--PHYSIOLOGICAL EFFECT)



PIONTKOVSKIY, I.A., prof., red.; LANDAU-TYLKINA, S.P., red.; ZUYEVA, N.K., tekhn.red.

[Effect of ionizing irradiation on the function of the higher sections of the nervous system of effspring] Vliianie ioniziruiushchego izlucheniia na funktsiiu vysshikh otdelov tsentralinoi nervnoi sistemy potomstva. Moskva, Medgiz, 1961. 209 p. (MIRA 15:5)

(RADIATION—PHYSIOLOGICAL EFFECT)
(EMERYOLOGY) (NERVOUS SYSTEM)

BODYAZHINA, V.I.; KIRYUSHCHENKOV, A.P.; POHEDINSKIY, M.M.; LANDAU-TYLKINA, S.P., red.; MIRONOVA, A.P., tekhn. red.

[Effect of ionizing radiation on the gonitalia, pregnancy and the intrauterine fetus] Vliianie ioniziruiushchei radiatsii na polovye zhelezy, beremennost'i vmutriutrobnyi plod. Moskva, Medgiz, 1962. 181 p.

(RADIATION—PHYSIOLOGICAL EFFECT)

(UTERUS, PREGNANT) (GENERATIVE ORGANS, FEVALE)

LEBEDINSKIY, A.V., zasl. deyatel' nauki, prof., red.; MOSKAIEV, Yu.I., doktor med. nauk, red.; LANDAU-TYLKINA, S.P., red.; KUZ'MINA, N.S., tekhn. red.

[Plutonium-239; its distribution, biological action, and the acceleration of its excretion] Plutonii-239; raspredelenie, biologicheskoe deistvie, uskorenie vyvedenia. Moskva, Medgiz, 1962. 167 p. (MIRA 15:6)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Lebedinskiy). (PIJTONIUM)

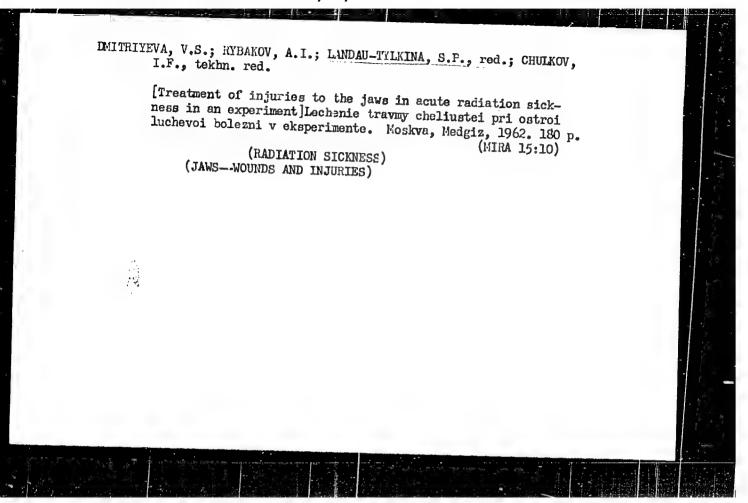
PISKUNOV, Moisey Abramovich; SHCHELOVANOV, N.M., prof., red.;

LANDAU-TILKINA, S.P., kand. biol. nauk, red.; BUL'DIATEV, N.A.,

tekhn. red.

[Anatomical and physiological bases for and treatment of
tongue-tie] Anatomo-fiziologicheskie osnovy i terapii kosnoizychiia. Pod red. N.M.Shchelovanova. Moskva, Nedgiz, 1962.
162 p. (MIRA 15:6)

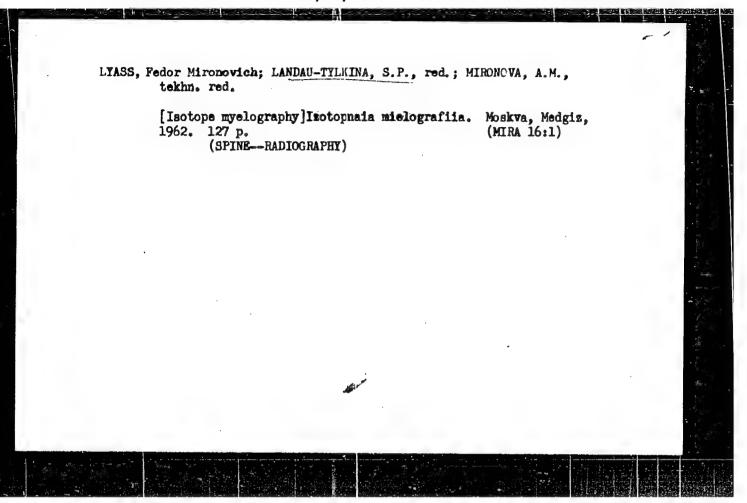
1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Shchelovanov). (SPEECH, DISORDERS OF)

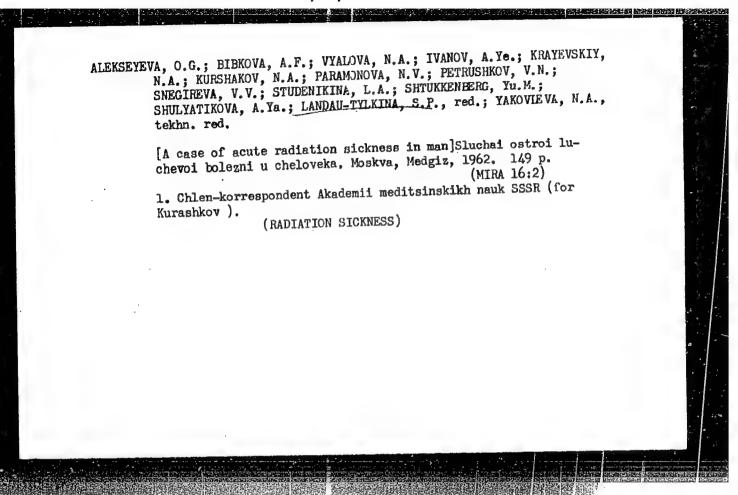


IL'INA, Lyubov' Ivanovna; KUKOLEVSKAYA, Yekaterina Vasil'yevna;
LANDAU-TYLKINA, S.P., red.; EEL'CHIKOVA, Yu.S., tekhn.red.

[Electroencephalography of athletes]Elektroentsefalografiia
sportsmenov, Moskva, Medgi.z, 1962. 127 p. (MIRA 16:4)

(ELECTROENCEPHALOGRAPHY) (SPORTS MEDICINE)





IIVANOV, Mikhail Nikolayevich; LANDAU-TYLKINA, S.P., red.;

IYUDKOVSKAYA, N.I., tekhn. red.

[Some problems of the action of ionizing radiation on the nervous system)Nekotorye problemy deistviia ioniziruiushchei radiatsii na nervmuiu sistemu. Moskva, Medgiz, 1962. 193 p.

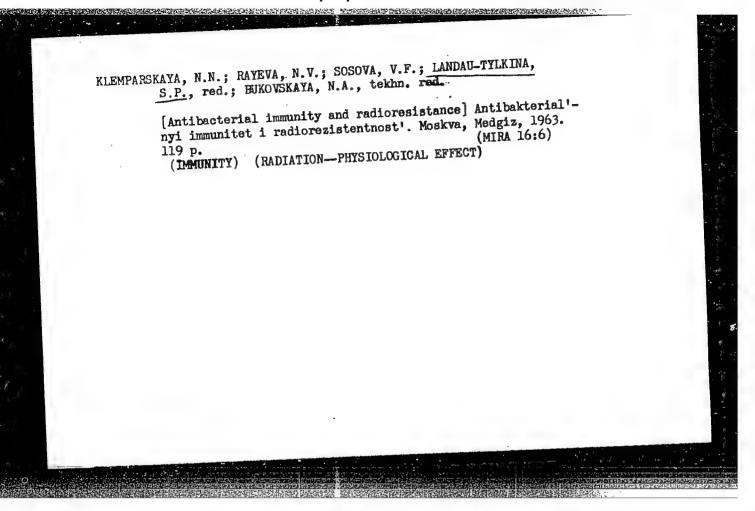
(MIRA 15:9)

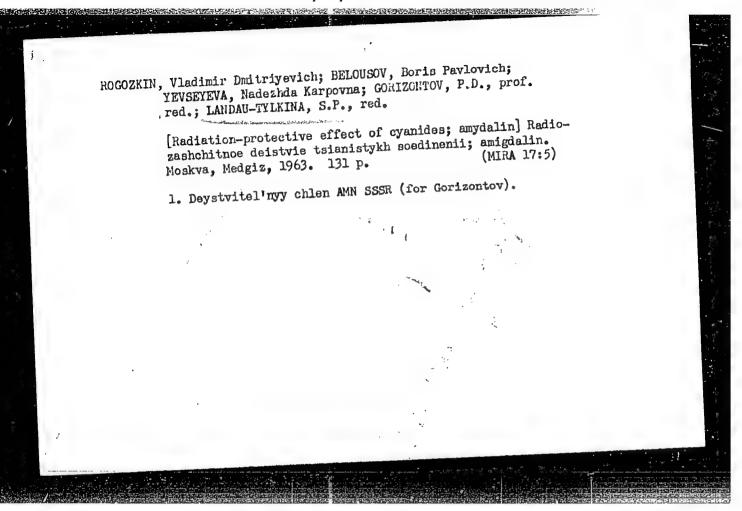
(NERVOUS SYSTEM) (RADIATION--PHYSIOLOGICAL EFFECT)

KOVALENKO, Valentina Yakovlevna; LANDAU-TYLKINA, S.P., red.; BUKOVSKAYA, N.A., tekhn. red.

[How to protect water and rations from radioactive, chemical and bacterial agents] Kak zashchitit' vodu i prodovol'stvie ot radioaktivnykh, otravliaiushchikh veshchestv i bakterial'-nykh sredstv. Moskva, Medgiz, 1963. 60 p. (MIRA 17:2)







ZHIRMUNSKAYA, Yelena Aleksandrovna; LANDAU-TYLKINA, S.P., red.;

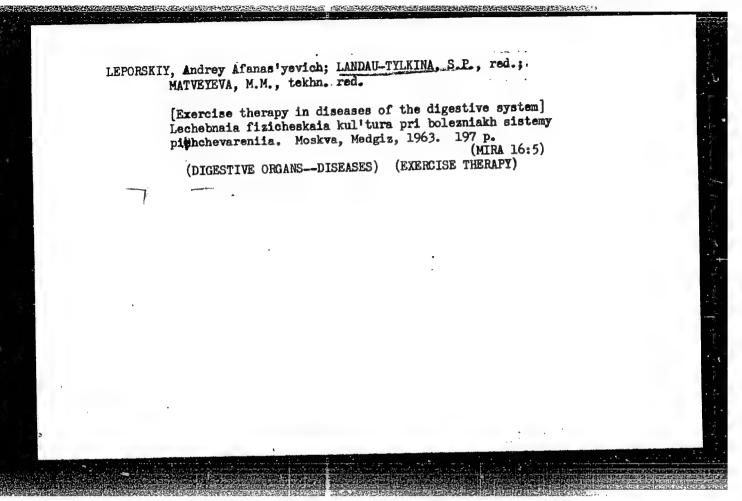
PETROVA, N.K., tekhn. red.

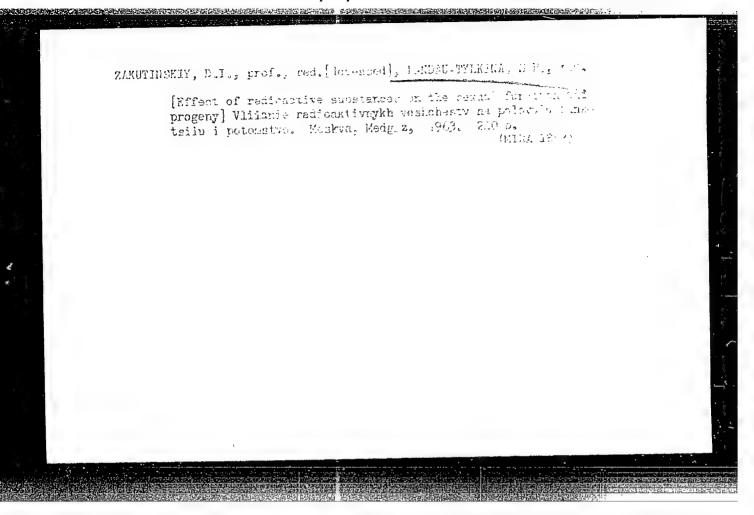
[Electrical activity of the brain under normal conditions,
in hypertension and in cerebral insultus] Elektricheskaia
in hypertension and recebral insultus bleath i mozgovom
aktivnost' mozga v norme, pri glpertonicheskoi boleani i mozgovom
insul'te. Moskva, Medgiz, 1963. 174 p. (MIRA 16:6)
insul'te. Moskva, Medgiz, 1963. URBANE)

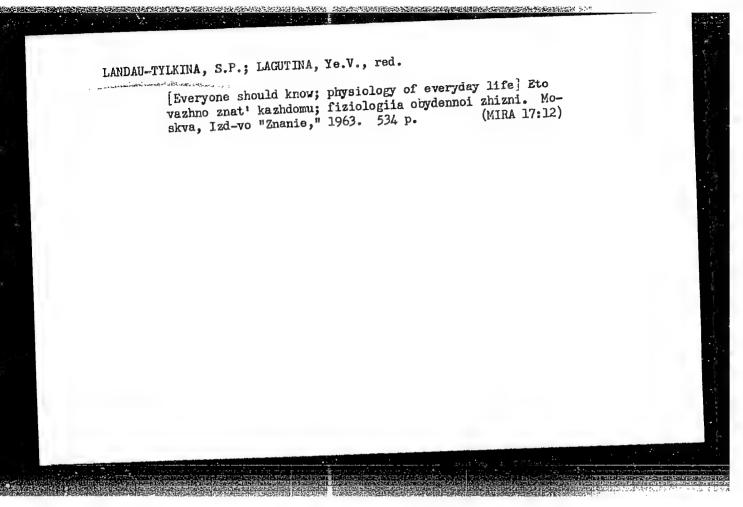
(ENCEPHALOGRAPHY) (CERE BROVASCULAR DISEASE)

PETROV, Rem Viktorovich; PRAVETSKIY, Vladimir Nikolayevich; STEPANOV,
Yuriy Sergeyevich; SHAL'NOV, Mikhail Ivanovich;
LANDAU-TYLKINA, S.P., red.; MIRONOVA, A.M., tekhn. red.

[Protection from radioactive fallout] Zashchita ot radioaktivnykh osadkov. Moskva, Medgiz, 1963. 187 p. (MIRA 16:9)
(RADIOACTIVE FALLOUT)





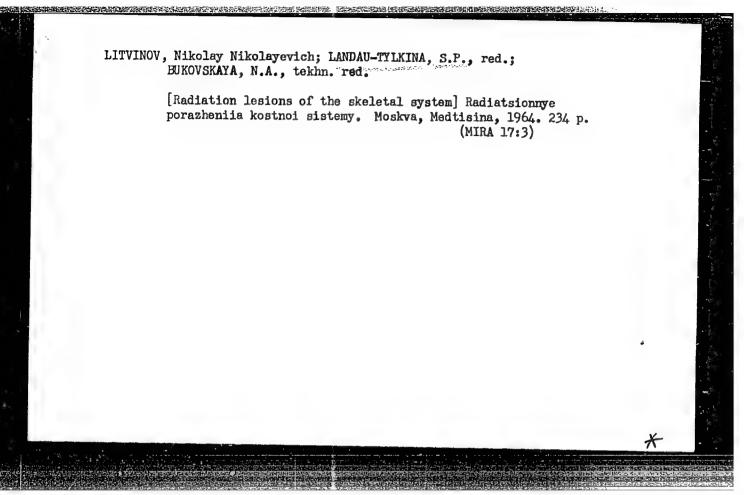


THE PROPERTY OF THE PROPERTY O

MODESTOV, Vasiliy Kornilcvich, prof.; KOZYREVA, Al'bina Lyútsianowa;
KIYACHKO, Vitaliy Romanovich; LANDAU-TYLKINA, S.P., red.

[Therapeutic use of radioactive isotopes (Il31 and P32)]
Lechebnoe primenenie radioaktivnykh izotopov (Jl31 i P32).
Moskva, Meditsina, 1964. 164 p. (MIRA 17:11)

1. Zaveduyushchiy kafedroy meditsinskoy radiologii TSental'nogo instituta usovershenstvovaniya vrachey (for Modestov).



MOSKALEV, Yu.I., prof., red.; LANDAU-TYLKINA, S.P., red.

[Dintribution, biological effect, acceleration of the excretion of radioactive icotopes] Rasprodolenie, biologicheskoe deistvie, uskorenie vyvedeniia radioaktivnykh izotopov; sbornik rabot. Moskva, Meditsina, 1964. 374 p.

(MIRA 17:9)

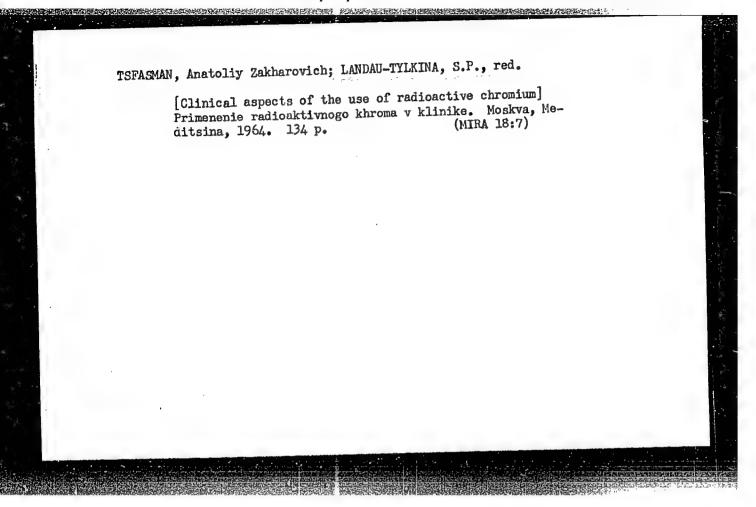
STREL'ITSOVA, Vera Nikolayevna; MOSKALEV, Yuriy Ivanovich;
LANDAU-TYLKINA, S.P., red.; LYUDKOVSKAYA, N.I., tekhn.
red.

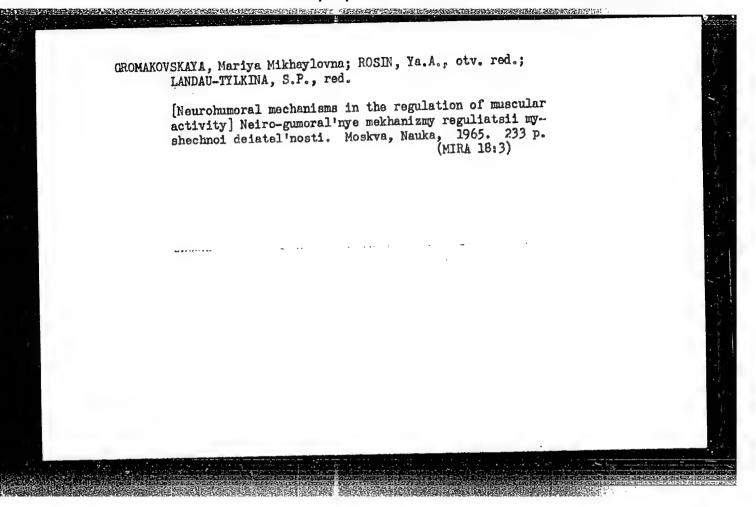
[Blastomogenic effect of ionizing radiation] Blastomogennoe deistvie ioniziruiushchei radiatsii. Moskva, Meditsina,
1964. 382 p. (MIRA 17:3)

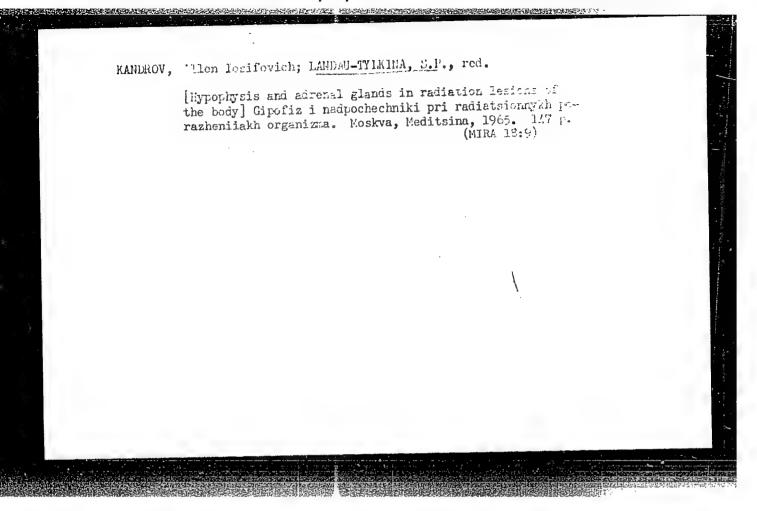
PRATUSEVICH, Yuriy Markovich; Lindau-TYLKINA, S.P., red.

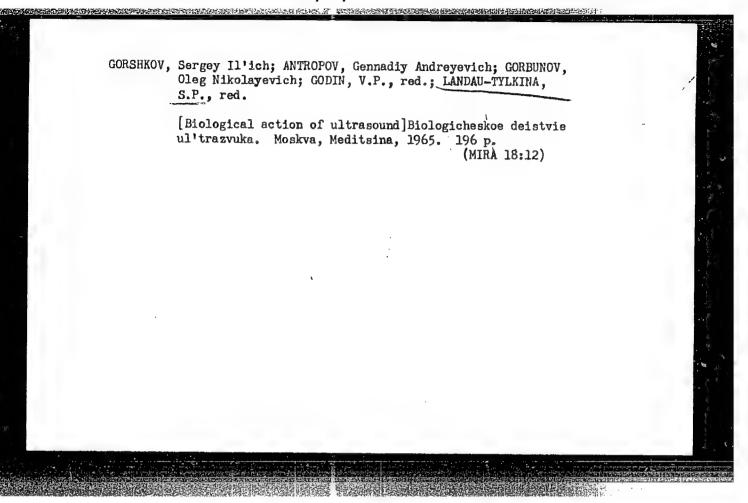
[Hental fatigue of schoolchild.ren; symptomatology, physiological nature and means of elimination] Umstvennoe utomlenie skol'nika; simptomatika, fiziologicheskaia priroda i puti ustraneniia. Moskva, Neditsina, 1964. 458 p.

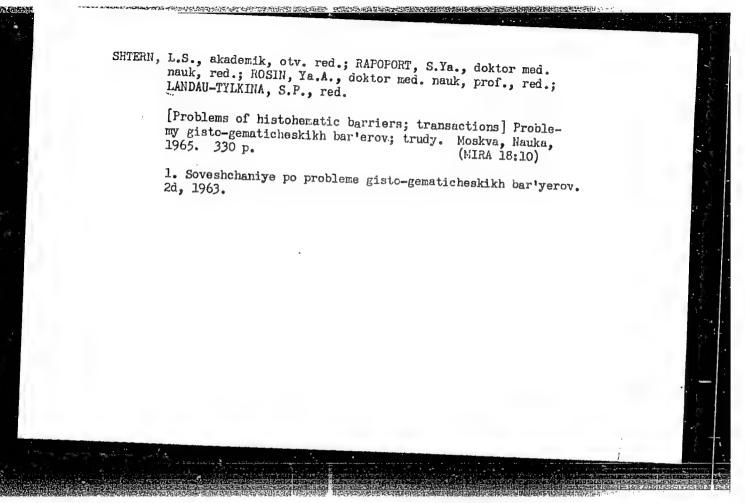
(HIRA 17:8)











SANDULESCU, R.; LANDAUER, I.

Study of F1 hybrids obtained by the sexed crossing of different species of tobacco. Studii cerc biol veget 13 no.2:261-271 '61.

(EEAI 10:11/12)

l. Institutul de cercetari alimentare, Sectia culturii tutumului, Bucuresti-Baneasa. Comunicare prezentata de Al. Priadcencu, membru corespondent al Academici R.P.R.

(Tobacco) (Hybridization)

RUMANTA / Physical Chemistry. Solutions. Theory of B-11

Acids and Bases.

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 22634.

Author : Murgulescu, I. G., Landauer, Ortansa Paul.

Inst : UC. J. Parhon" University.

Title : Activity of Aqueous Solutions of Electrolytes.

Report I. Solutions of Sodium Chloride and

Potassium Chloride.

Orig Pub: An. Univ. "C. J. Parhon". Ser. stiint. natur.,

1958, No 18, 23-38.

Abstract: The interionic interactions (II) and their thermo-

dynamic functions were studied on mixed solutions of KCl and NaCl. The determination was carried out by comparing the activity of the solvent of binary systmes KCl - H2O and NaCl - H2O with that

Card 1/3

RUMANIA / Physical Chemistry. Solutions. Incory of Acids and Bases.

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 22634.

Abstract: of the ternary system KCl - NaCl - H₂O as well as by comparing the activity coefficients of the electrolyte KCl or NaCl in a binary solution with that in a ternary. The activities and the activity coefficients were determined by the cryoscopic method. The activity of the solvent is an additive magnitude. It is shown that the interaction between the electrolyte and the solvent does not change in the concentration range of 0.3 - 1.5 M, if K' ions are replaced with Na' ions. It is noted that, if the ionic force of the solution is constant, the activity coefficients of NaCl and KCl are additive in aqueous solutions of their mixtures, provided their total

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